

KCND2 Rabbit pAb

Catalog No.: A6203 **1 Publications**

Basic Information

Observed MW

70kDa

Calculated MW

71kDa

Category

Primary antibody

Applications

ELISA,WB

Cross-Reactivity

Mouse

Background

Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in *Drosophila*, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shal-related subfamily, members of which form voltage-activated A-type potassium ion channels and are prominent in the repolarization phase of the action potential. This member mediates a rapidly inactivating, A-type outward potassium current which is not under the control of the N terminus as it is in Shaker channels.

Recommended Dilutions

WB 1:1000 - 1:5000

Immunogen Information

Gene ID

3751

Swiss Prot

Q9NZV8

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 501-630 of human KCND2 (NP_036413.1).

Synonyms

RK5; KV4.2; KCND2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

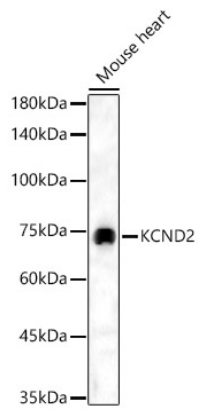
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of Mouse heart, using KCND2 antibody (A6203) at 1:3000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.